

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Accepted - 05/19/2023

Responsible Party

NV

Responsible Party: NNOGC Exploration & Production LLC	OGRID: 292875
Contact Name: Arleen Smith	Contact Telephone: 505-327-4892
Contact email: arleen@walsheng.net	Incident # (assigned by OCD) nAPP2233229843
Contact mailing address: 332 Road 3100, Aztec, NM 87410	

Location of Release Source

Latitude 36.454502

Longitude -108.754211

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tocito Dome Tank Battery	Site Type:
Date Release Discovered: 11/26/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	22	26N	18W	San Juan

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 116	Volume Recovered (bbls) 116
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: On Saturday, November 26, 2022, at approximately 2:50 pm Navajo Nation Oil & Gas had a major produced water/oil spill at the Tocito Dome Tank Battery. All contained on the tank berms and on site with 116 bbl. of produced water with a skim of oil hit the ground due to injection pump not turning on and the water tank overflowing, overflowing the secondary tank. The onsite pump and vacuum truck were used to recover all surface fluids. Site assessment is the lowest NMCOD requirements due to depth to groundwater >100 feet and distance to in femoral streams >600 feet. Remediation will be completed to NNEPA standards.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? An unauthorized release of volume of 25 barrels or more
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, On Sunday, 11/27/22 to Steve Austin via telephone message and email to Steve Austin/NNEPA, Jean Bia/NNEPA and Nelson Velez/NMOCD.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: <u>Arleen Smith</u> Title: <u>Regulatory Manager</u> Signature: _____ Date: <u>11/28/2022</u> email: <u>arleen@walsheng.net</u> Telephone: <u>505-327-4892</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	NAPP2233229843
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2233229843
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Arleen Smith Title: Regulatory Manager

Signature: Arleen Smith Date: 02/14/2023

email: arleen@walsheng.net Telephone: 505-327-4892

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

Incident ID	NAPP2233229843
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Arleen Smith Title: Regulatory Manager

Signature:  Date: 02/14/2023

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	NAPP2233229843
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Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Arleen Smith Title: Regulatory Manager
Signature:  Date: 02/14/2023
email: arleen@walsheng.net Telephone: 505-327-4892

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

REMEDIATION SUMMARY

On Saturday, November 26, 2022, at approximately 2:50 pm Navajo Nation Oil & Gas had a major produced water/oil spill at the Tocito Dome Tank Battery. All contained on the tank berms and on site with 116 bbl. of produced water with a skim of oil hit the ground due to injection pump not turning on and the water tank overfilling, overflowing the secondary tank. The onsite pump and vacuum truck were used to recover all surface fluids. Site assessment is the lowest NMCOD requirements due to depth to groundwater >100 feet and distance to in femoral streams >600 feet. Remediation will be completed to NNEPA standards.

On December 21, 2022, Walsh Engineering on behalf of NNOG cleaned out tank pits of 60 bbls and hauled to Envirotech Landfarm. (C138 -Appendix A)

On January 16, 2023, Walsh Engineering on behalf of NNOG remediate the areas which consist of digging approximately 700 yds and hauling of the impacted soil to NMOCD approved Envirotech Landfarm. (C138 -Appendix B)

On January 18, 2023, Walsh Engineering on behalf of NNOG, conducted a 5 pt composite sample. The sampling event consisted of sampling the impacted area in (2) 200 sq ft sections. (Map A) The sampling **did not meet** sampling requirements per 19.15.29.12D(1c) for Sample 1 and Sample 2 (Chloride, TPH, GRO+DRO, BTEX and Benzene). (Analytical Report – Appendix C)

On January 24, 2023, Walsh Engineering on behalf of NNOG, conducted a 5 pt composite sample. The sampling event consisted of sampling the impacted area in (2) 200 sq ft sections. (Map A) The sampling **did meet** sampling requirements per 19.15.29.12D(1c) for Sample 1 and Sample 2 (Chloride, TPH, GRO+DRO, BTEX and Benzene). (Analytical Report – Appendix D)

On February 3, 2023, Walsh Engineering on behalf of NNOG, backfilled the area with 850 yards of approved dirt from Envirotech.

Arleen Smith

From: Steve Austin <nnepawq@frontiernet.net>
Sent: Thursday, January 26, 2023 8:18 AM
To: Arleen Smith; 'Jean S. Bia'; 'Nelson Velez'
Cc: Shawna Martinez; Vern Andrews; John Thompson
Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Arleen,

Thanks for the update.

--Steve

Steve Austin
Senior Hydrologist
NNEPA WQ/NPDES Program
505-368-1037

From: Arleen Smith [mailto:arleen@walsheng.net]
Sent: Wednesday, January 25, 2023 3:38 PM
To: Steve Austin <nnepawq@frontiernet.net>; 'Jean S. Bia' <jeanbia@navajo-nsn.gov>; 'Nelson Velez' <nelson.velez@state.nm.us>
Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>
Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Good Afternoon Steve,

On January 24, 2023, Walsh Engineering on behalf of NNOG, conducted a 5 pt composite sample. The sampling event consisted of sampling the impacted area in (2) 200 sq ft sections. The sampling **did meet** sampling requirements per 19.15.29.12D(1c) for Sample 1 and Sample 2 (Chloride, TPH, GRO+DRO, BTEX and Benzene). I've attached the Envirotech Analytical Report.

Walsh Engineering on behalf of NNOG will backfill and reset equipment.

Please let me know if you have any questions.

Thank you,
Arleen

Arleen Smith | Regulatory Manager
O: 505-327-4892 | C: 505-215-6662
arleen@walsheng.net

From: Steve Austin <nnepawq@frontiernet.net>
Sent: Monday, January 23, 2023 1:06 PM
To: Arleen Smith <arleen@walsheng.net>; 'Jean S. Bia' <jeanbia@navajo-nsn.gov>; 'Nelson Velez' <nelson.velez@state.nm.us>
Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>
Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Arleen,

Go ahead with the sampling as planned.

--Steve

Steve Austin
Senior Hydrologist
NNEPA WQ/NPDES Program
505-368-1037

From: Arleen Smith [<mailto:arleen@walsheng.net>]
Sent: Monday, January 23, 2023 12:24 PM
To: Steve Austin <nnepawq@frontiernet.net>; 'Jean S. Bia' <jeanbia@navajo-nsn.gov>; 'Nelson Velez' <nelson.velez@state.nm.us>
Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>
Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Walsh Engineering on behalf of NNOG is requesting to do the sampling on Tuesday, January 24, 2023, on the Tocito Dome Tank Battery.

Thank you,

Arleen Smith | Regulatory Manager
O: 505-327-4892 | C: 505-215-6662
arleen@walsheng.net

From: Steve Austin <nnepawq@frontiernet.net>
Sent: Wednesday, January 18, 2023 3:44 PM
To: Arleen Smith <arleen@walsheng.net>; 'Jean S. Bia' <jeanbia@navajo-nsn.gov>; 'Nelson Velez' <nelson.velez@state.nm.us>
Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>
Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Thanks Arleen—that information is helpful. Go ahead and proceed with the sampling.

--Steve

Steve Austin
Senior Hydrologist

NNEPA WQ/NPDES Program

505-368-1037

From: Arleen Smith [<mailto:arleen@walsheng.net>]**Sent:** Wednesday, January 18, 2023 3:15 PM**To:** Steve Austin <nnepawq@frontiernet.net>; Jean S. Bia <jeanbia@navajo-nsn.gov>; Nelson Velez (nelson.velez@state.nm.us) <nelson.velez@state.nm.us>**Cc:** Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>**Subject:** FW: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Hi Steve,

Sampling for DRO/ORO, GRO/DRO, BTEX and Chloride. The sampling will be a 5 pt composite sampling. I've attached the map.

Please let me know if you have any other questions.

Arleen Smith | Regulatory Manager
O: 505-327-4892 | C: 505-215-6662
arleen@walsheng.net

ManagerFrom: Steve Austin <nnepawq@frontiernet.net>**Sent:** Wednesday, January 18, 2023 11:05 AM**To:** Arleen Smith <arleen@walsheng.net>; 'Jean S. Bia' <jeanbia@navajo-nsn.gov>; 'Nelson Velez' <nelson.velez@state.nm.us>**Cc:** Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; jwright@nnogc.com**Subject:** RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Hi Arleen,

I just left you a message regarding this. What will you be sampling for and where within the excavated area will you be grabbing the samples? Do you have a drawing of the site with proposed locations? Are you taking grab samples or compositing?

I will be in my office today, but likely out in the field tomorrow and/or Friday.

--Steve

Steve Austin

Senior Hydrologist

NNEPA WQ/NPDES Program

505-368-1037

From: Arleen Smith [<mailto:arleen@walsheng.net>]**Sent:** Wednesday, January 18, 2023 9:33 AM**To:** Steve Austin <nnepawq@frontiernet.net>; Jean S. Bia <jeanbia@navajo-nsn.gov>; Nelson Velez

(nelson.velez@state.nm.us) <nelson.velez@state.nm.us>

Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; jwright@nnogc.com

Subject: RE: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36.454502,-108.754211 SEC 22 T26N R18W

Good Morning Steve

Walsh Engineering on behalf of NNOG is requesting to do the sampling today, January 18, 2023, on the Tocito Dome Tank Battery. These samples need to be taken today due to inclement weather forthcoming and the area is excavated.

Thank you for your consideration on this matter.

Thank You,
Arleen

Arleen Smith | Regulatory Manager
O: 505-327-4892 | C: 505-215-6662
arleen@walsheng.net

From: Arleen Smith

Sent: Sunday, November 27, 2022 12:04 PM

To: Steve Austin <nnepawq@frontiernet.net>; Jean S. Bia <jeanbia@navajo-nsn.gov>; Nelson Velez (nelson.velez@state.nm.us) <nelson.velez@state.nm.us>

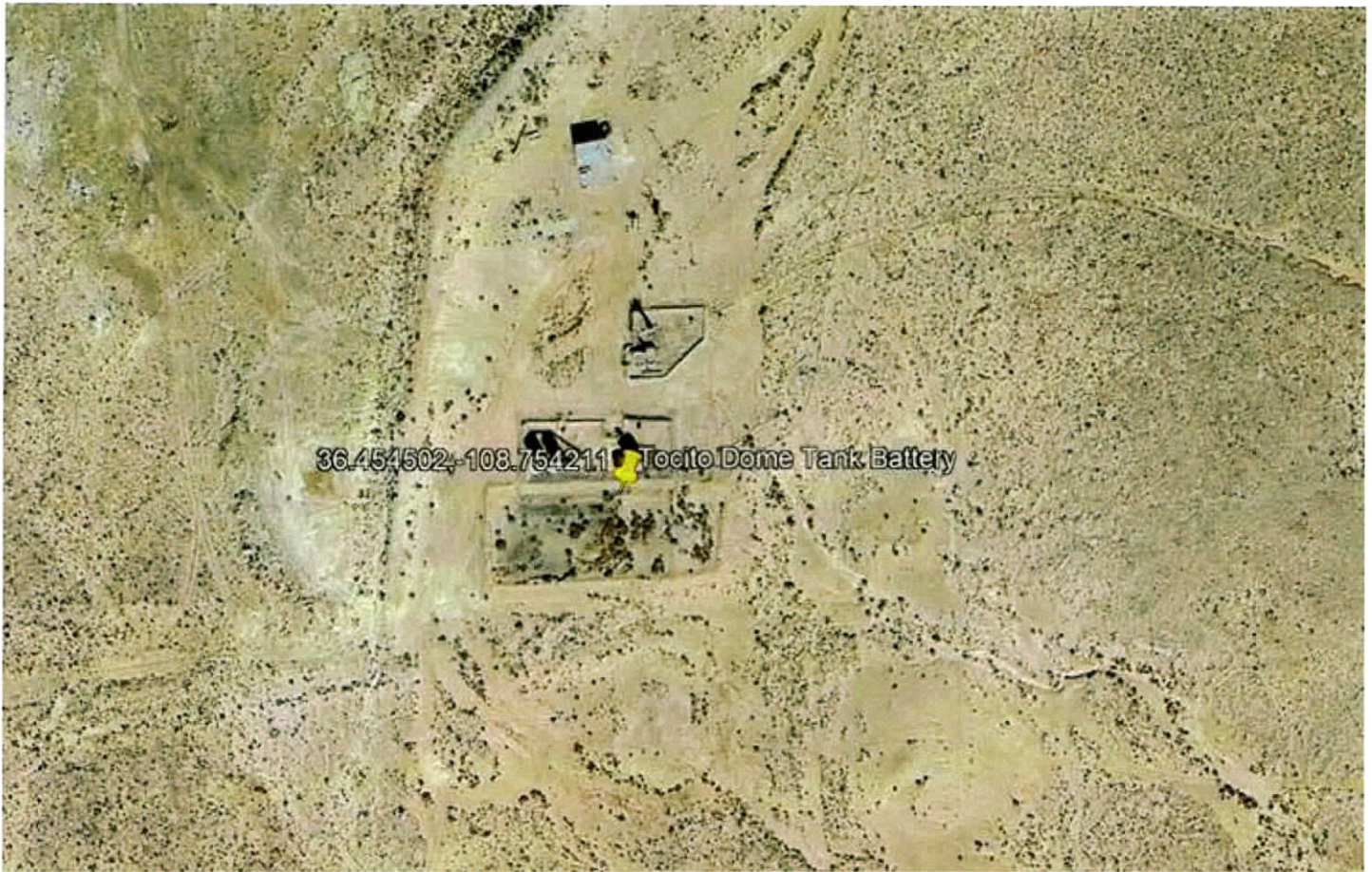
Cc: Shawna Martinez <shawna@walsheng.net>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; jwright@nnogc.com

Subject: Notification Release 120 BBL - NNOGC Tocito Tank Battery 36454502,-108.754211 SEC 22 T26N R18W

Good morning,

On Saturday, November 26, 2022, at approximately 2:50 pm Navajo Nation Oil & Gas had a major produced water/oil spill at the Tocito Dome Tank Battery. All contained on the tank berms and on site with 116 bbl. of produced water with a skim of oil hit the ground due to injection pump not turning on and the water tank overfilling, overflowing the secondary tank. The onsite pump and vacuum truck were used to recover all surface fluids. Site assessment is the lowest NMCOD requirements due to depth to groundwater >100 feet and distance to in femoral streams >600 feet. Remediation will be completed to NNEPA standards.

TOCITO DOME TANK BATTERY
M - SEC. 21 - T27N - R13W
SAN JUAN COUNTY, NM



Arleen Smith | Regulatory Manager
332 Rd 3100 Aztec, NM 87410
O: 505-327-4892 | C: 505-215-6662
arleen@walsheng.net

Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

SAMPLING RESULTS

Tocito Dome Tank Battery
 Produced Water Release
 Incident# NAPP2233229843
 Date of Release: 11/26/2022

SAMPLING REQUIREMENTS

19.15.29.12 D

D. Closure requirements. The responsible party must take the following action for any major or minor release containing liquids.

(1) The responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC or constituents from other applicable remediation standards.

(a) The responsible party must verbally notify the appropriate division district office two business days prior to conducting final sampling. If the division district office does not respond to the notice within the two business days, the responsible party may proceed with final sampling. The responsible party may request a variance from this requirement upon a showing of good cause as determined by the division.

(b) The responsible party may submit a composite and grab sample plan for the division's review and approval separately or with the remediation plan.

(c) Alternately, without division approval, the responsible party may elect to perform a composite and grab sample plan of the remediated area where each composite sample is not representative of more than 200 square feet.

(2) If all composite and grab sample concentrations are less than or equal to the parameters listed in Table I of 19.15.29.12 NMAC or any conditions of approval, then the responsible party may proceed to backfill any excavated areas.

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division.

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Tocito Dome Tank Battery
 Produced Water Release
 Incident# NAPP2233229843
 Date of Release: 11/26/2022

SAMPLING RESULTS**PROJECT NAME:** Tocito Dome Tank Battery**DATE SAMPLED:** 1/18/2023**SAMPLE ID:** SAMPLE 1

CHLORIDE	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	BENZENE
20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 m/kg	10 m/kg
4610	3620	2560	0.8474	ND

SAMPLE ID: SAMPLE 2

CHLORIDE	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	BENZENE
20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 m/kg	10 m/kg
608	5160	3919	0.1591	ND

*** This applies to release of produced water or other fluids, which may contain chloride. (19.15.29.12

NMAC – N, 8/14/2018)

ND – Non-Detected

MG/KG – milligrams/kilograms

PROJECT NAME: Tocito Dome Tank Battery**DATE SAMPLED:** 1/24/2023**SAMPLE ID:** SAMPLE 1

CHLORIDE	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	BENZENE
20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 m/kg	10 m/kg
ND	ND	ND	ND	ND

SAMPLE ID: SAMPLE 2

CHLORIDE	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	BENZENE
20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 m/kg	10 m/kg
ND	ND	ND	ND	ND

*** This applies to release of produced water or other fluids, which may contain chloride. (19.15.29.12

NMAC – N, 8/14/2018)

ND – Non-Detected

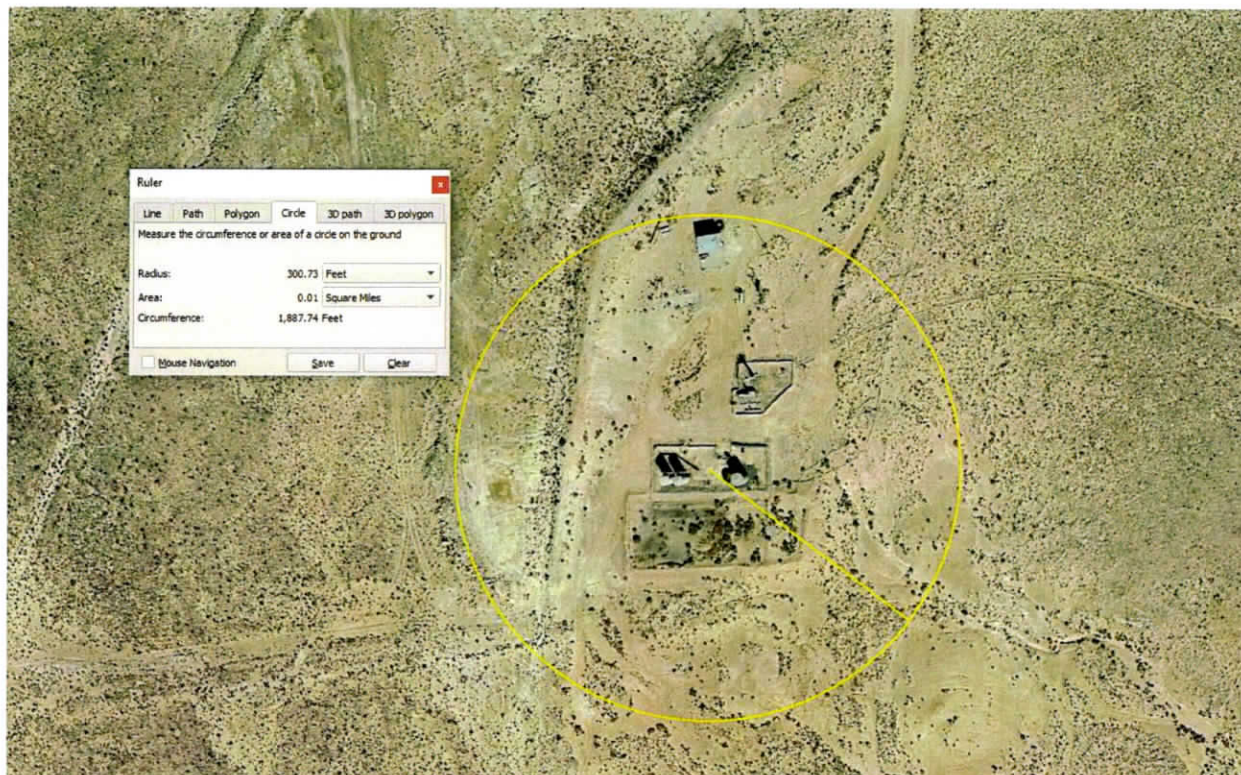
MG/KG – milligrams/kilograms

Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

SITING CRITERIA

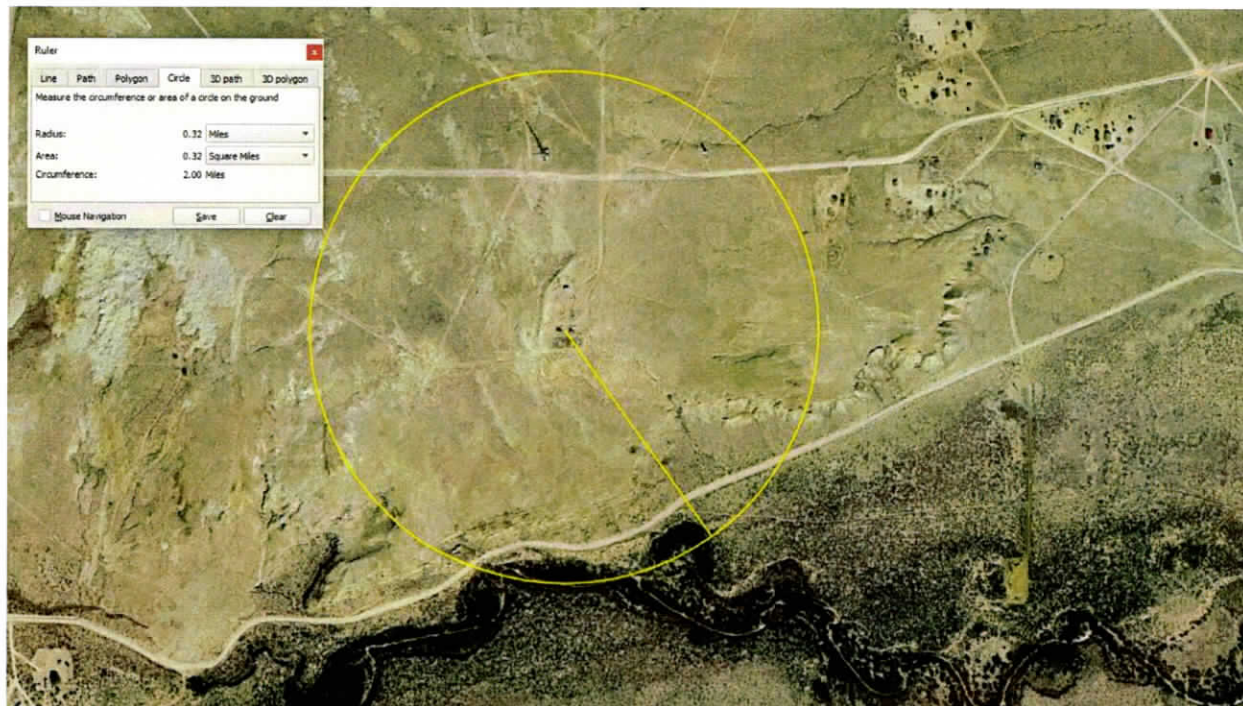
Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

Siting Criteria



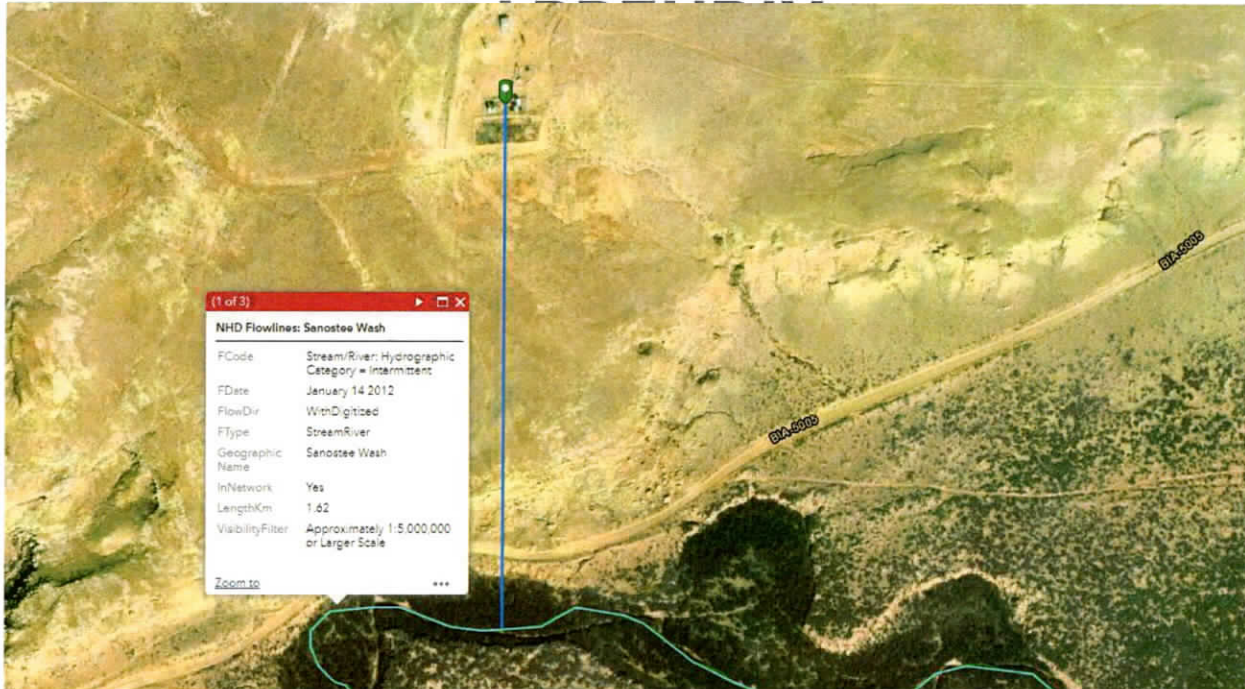
Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

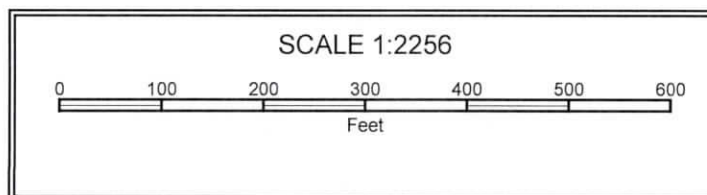
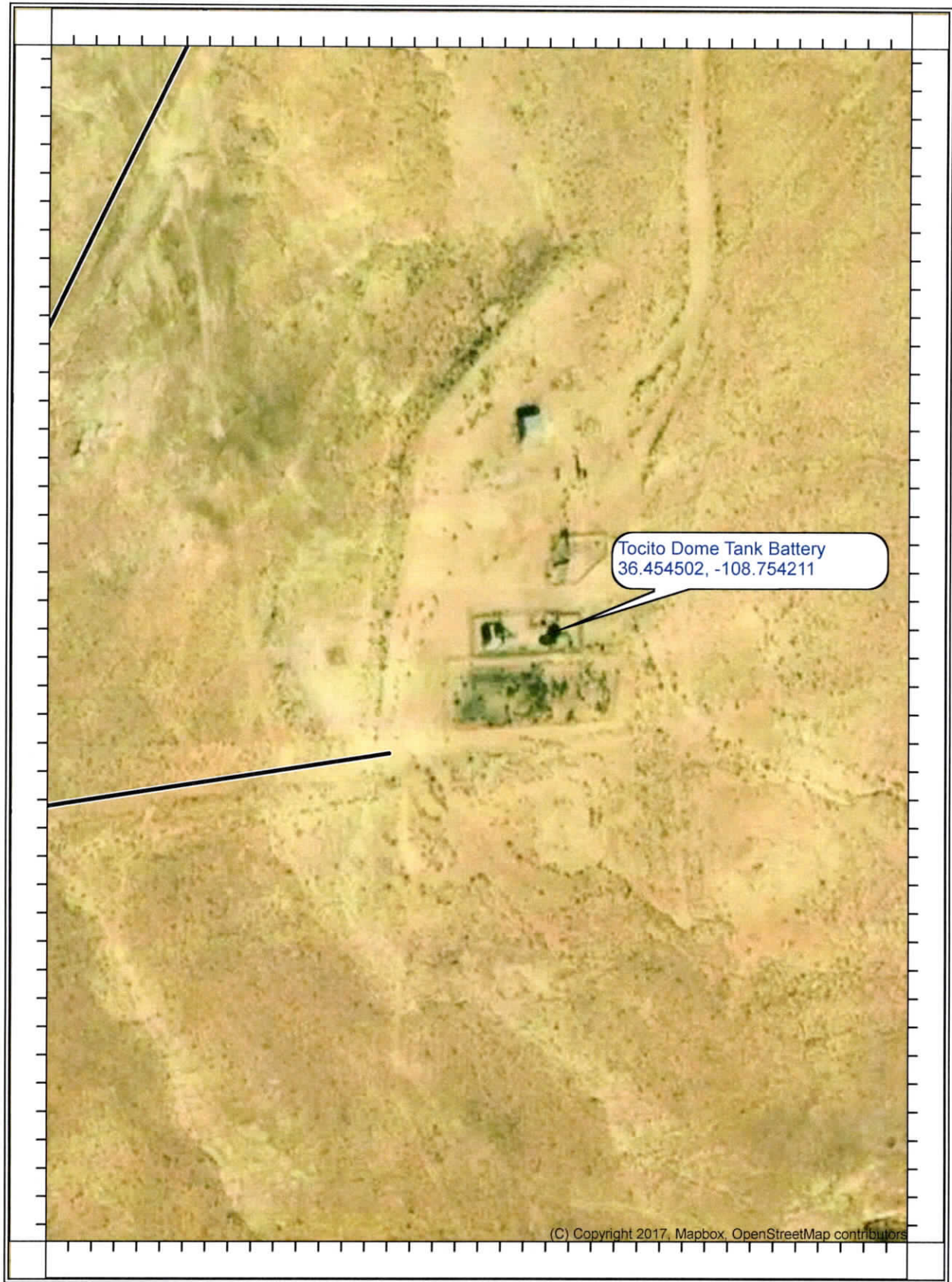
0.32 miles to Sanostee wash

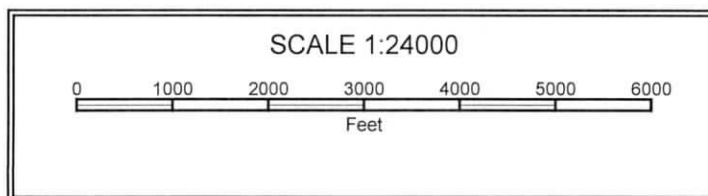


Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

Nearest Wash – Sanostee Wash









New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 27

Township: 26N

Range: 18W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/14/23 11:37 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 27

Township: 25N

Range: 17W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/14/23 11:37 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
SJ 01012		SJ	SJ	3	4	2	27	27N	19W	155488	4051523*	2103		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

PLSS Search:

Section(s): 27

Township: 27N

Range: 19W

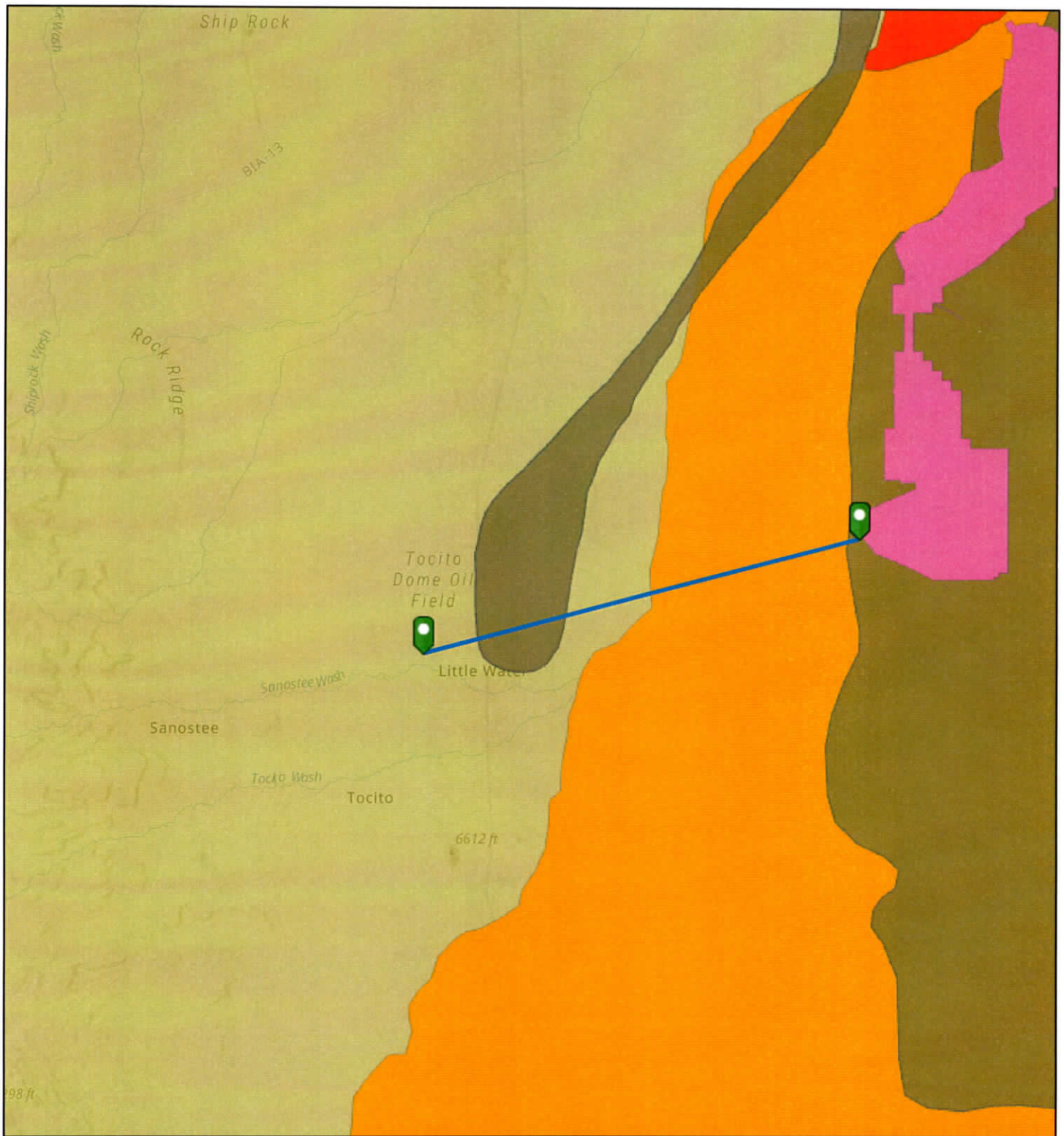
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/14/23 11:38 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Coal Mines in New Mexico



2/14/2023, 2:59:48 PM

US Coal Fields

■ Medium and High Volatile Bituminous / potentially minable

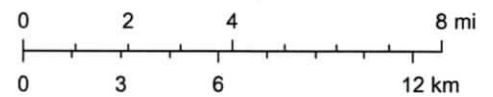
■ Subbituminous / potentially minable

■ NM Coal Districts

Coal Permit Boundaries (2015)

■ Active Mining

1:288,895



U.S. BLM, San Juan County, NM, Esri, HERE, Garmin, SafeGraph, METI/
NASA, USGS, Bureau of Land Management, EPA, NPS, USDA, Esri, NASA,
NGA, USGS, NM Coal Mine Reclamation Program, NM EMNRD

Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

APPENDIX

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: NNOGC Exploration and Production LLC 1625 Broadway Suite 1000, Denver CO
2. Originating Site: Tocito Dome Tank Battery
3. Location of Material (Street Address, City, State or ULSTR): M21 27N 13W San Juan County, NM
4. Source and Description of Waste: Cleaned out tank pits ; redoing facility Estimated Volume <u>60</u> yd ³ / <u>bbls</u> Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Shawna Martinez</u> , representative or authorized agent for <u>NNOGC</u> do hereby PRINT & SIGN NAME COMPANY NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Shawna Martinez</u> representative for <u>NNOGC</u> authorize Envirotech to Generator Signature <u>12-21-22</u> complete the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. 5. Transporter: M&R Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: # 43 Road 7175, South of Bloomfield NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____

TITLE: _____

DATE: _____

SIGNATURE: _____
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:	NNOG Exploration and Production, LLC 1625 Broadway Suite 1000, Denver CO
2. Originating Site:	Tocito Dome Tank Batter
3. Location of Material (Street Address, City, State or ULSTR):	M 21 27N 13W San Juan County, NM
4. Source and Description of Waste:	Facility Clean out after release. Estimated Volume <u>700</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS	
I, <u>Arleen Smith</u> , representative or authorized agent for <u>NNOGC</u> do hereby PRINT & SIGN NAME COMPANY NAME	
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)	
<input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load	
<input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)	
<input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)	
6. GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS	
I, <u>Arleen Smith</u> <u>1-16-23</u> representative for <u>NNOGC</u> authorize Envirotech to Generator Signature	
complete the required testing/sign the Generator Waste Testing Certification.	
I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
5. Transporter: Envirotech	

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: # 43 Road 7175, South of Bloomfield NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____

TITLE: _____

DATE: _____

SIGNATURE: _____
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: _____

Report to:
Shawna Martinez



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Navajo Nation Oil and Gas

Project Name: Tocito Dome Spill

Work Order: E301098

Job Number: 08034-0006

Received: 1/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/19/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/19/23

Shawna Martinez
P.O. Box 4439
Window Rock, AZ 86515



Project Name: Tocito Dome Spill
Workorder: E301098
Date Received: 1/18/2023 2:45:00PM

Shawna Martinez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2023 2:45:00PM, under the Project Name: Tocito Dome Spill.

The analytical test results summarized in this report with the Project Name: Tocito Dome Spill apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported: 01/19/23 15:59
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1	E301098-01A	Soil	01/18/23	01/18/23	Glass Jar, 2 oz.
#2	E301098-02A	Soil	01/18/23	01/18/23	Glass Jar, 2 oz.

Sample Data

Navajo Nation Oil and Gas P.O. Box 4439 Window Rock AZ, 86515	Project Name: Tocito Dome Spill Project Number: 08034-0006 Project Manager: Shawna Martinez	Reported: 1/19/2023 3:59:02PM
---	---	----------------------------------

#1

E301098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2303038
Benzene	ND	0.0250	1	01/18/23	01/19/23	
Ethylbenzene	0.0722	0.0250	1	01/18/23	01/19/23	
Toluene	0.0702	0.0250	1	01/18/23	01/19/23	
o-Xylene	0.222	0.0250	1	01/18/23	01/19/23	
p,m-Xylene	0.483	0.0500	1	01/18/23	01/19/23	
Total Xylenes	0.705	0.0250	1	01/18/23	01/19/23	
Surrogate: 4-Bromochlorobenzene-PID	99.9 %	70-130		01/18/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2303038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/23	01/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.2 %	70-130		01/18/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303050
Diesel Range Organics (C10-C28)	2560	500	20	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	1060	1000	20	01/18/23	01/19/23	
Surrogate: n-Nonane	107 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303028
Chloride	4610	40.0	2	01/18/23	01/19/23	



Sample Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	
P.O. Box 4439	Project Number:	08034-0006	Reported:
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/19/2023 3:59:02PM

#2

E301098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2303038
Benzene	ND	0.0250	1	01/18/23	01/19/23	
Ethylbenzene	0.101	0.0250	1	01/18/23	01/19/23	
Toluene	ND	0.0250	1	01/18/23	01/19/23	
o-Xylene	0.0581	0.0250	1	01/18/23	01/19/23	
p,m-Xylene	0.404	0.0500	1	01/18/23	01/19/23	
Total Xylenes	0.462	0.0250	1	01/18/23	01/19/23	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	01/18/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2303038
Gasoline Range Organics (C6-C10)	29.5	20.0	1	01/18/23	01/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	01/18/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2303050
Diesel Range Organics (C10-C28)	3890	500	20	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	1270	1000	20	01/18/23	01/19/23	
Surrogate: n-Nonane		106 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303028
Chloride	608	40.0	2	01/18/23	01/19/23	



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/19/2023 3:59:02PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2303038-BLK1)

Prepared: 01/17/23 Analyzed: 01/18/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

LCS (2303038-BS1)

Prepared: 01/17/23 Analyzed: 01/18/23

Benzene	4.40	0.0250	5.00		88.1	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

LCS Dup (2303038-BSD1)

Prepared: 01/17/23 Analyzed: 01/18/23

Benzene	4.42	0.0250	5.00		88.4	70-130	0.410	20	
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130	0.770	20	
Toluene	4.79	0.0250	5.00		95.9	70-130	0.331	20	
o-Xylene	4.91	0.0250	5.00		98.1	70-130	0.783	20	
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130	0.815	20	
Total Xylenes	14.6	0.0250	15.0		97.1	70-130	0.804	20	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/19/2023 3:59:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2303038-BLK1)

Prepared: 01/17/23 Analyzed: 01/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			

LCS (2303038-BS2)

Prepared: 01/17/23 Analyzed: 01/18/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

LCS Dup (2303038-BSD2)

Prepared: 01/17/23 Analyzed: 01/18/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130	4.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/19/2023 3:59:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2303050-BLK1)

Prepared: 01/18/23 Analyzed: 01/19/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			

LCS (2303050-BS1)

Prepared: 01/18/23 Analyzed: 01/19/23

Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Matrix Spike (2303050-MS1)

Source: E301093-02

Prepared: 01/18/23 Analyzed: 01/19/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2303050-MSD1)

Source: E301093-02

Prepared: 01/18/23 Analyzed: 01/19/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.175	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/19/2023 3:59:02PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2303028-BLK1)

Prepared: 01/18/23 Analyzed: 01/18/23

Chloride ND 20.0

LCS (2303028-BS1)

Prepared: 01/18/23 Analyzed: 01/18/23

Chloride 250 20.0 250 100 90-110

Matrix Spike (2303028-MS1)**Source: E301083-01**

Prepared: 01/18/23 Analyzed: 01/18/23

Chloride 260 20.0 250 ND 104 80-120

Matrix Spike Dup (2303028-MSD1)**Source: E301083-01**

Prepared: 01/18/23 Analyzed: 01/18/23

Chloride 261 20.0 250 ND 104 80-120 0.190 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	
P.O. Box 4439	Project Number:	08034-0006	Reported:
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	01/19/23 15:59

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 1 of 1

Envirotech Analytical Laboratory

Printed: 1/18/2023 2:53:42PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Navajo Nation Oil and Gas	Date Received:	01/18/23 14:45	Work Order ID:	E301098
Phone:	(928) 871-4880	Date Logged In:	01/18/23 14:52	Logged In By:	Caitlin Christian
Email:	shawna@walsheng.net	Due Date:	01/19/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Michael DeanComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

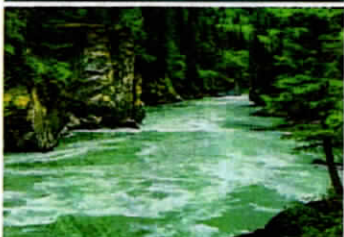
Date



envirotech Inc.

Report to:

Shawna Martinez



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Navajo Nation Oil and Gas

Project Name: Tocito Dome Spill

Work Order: E301124

Job Number: 08034-0006

Received: 1/24/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/26/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/26/23

Shawna Martinez
P.O. Box 4439
Window Rock, AZ 86515



Project Name: Tocito Dome Spill
Workorder: E301124
Date Received: 1/24/2023 4:05:00PM

Shawna Martinez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/24/2023 4:05:00PM, under the Project Name: Tocito Dome Spill.

The analytical test results summarized in this report with the Project Name: Tocito Dome Spill apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	01/26/23 10:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1	E301124-01A	Soil	01/24/23	01/24/23	Glass Jar, 2 oz.
#2	E301124-02A	Soil	01/24/23	01/24/23	Glass Jar, 2 oz.

Sample Data

Navajo Nation Oil and Gas P.O. Box 4439 Window Rock AZ, 86515	Project Name: Tocito Dome Spill Project Number: 08034-0006 Project Manager: Shawna Martinez	Reported: 1/26/2023 10:56:48AM
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#1

E301124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID	97.1 %	70-130		01/24/23	01/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		01/24/23	01/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/23	01/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/23	01/25/23	
Surrogate: n-Nonane	100 %	50-200		01/25/23	01/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	ND	20.0	1	01/24/23	01/25/23	



Sample Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	1/26/2023 10:56:48AM
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	

#2

E301124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatle Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304010	
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID	98.3 %	70-130		01/24/23	01/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2304010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		01/24/23	01/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2304018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/23	01/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/23	01/25/23	
Surrogate: n-Nonane	97.8 %	50-200		01/25/23	01/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2304013	
Chloride	ND	20.0	1	01/24/23	01/25/23	



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/26/2023 10:56:48AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304010-BLK1)

Prepared: 01/24/23 Analyzed: 01/25/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 7.84 8.00 98.0 70-130

LCS (2304010-BS1)

Prepared: 01/24/23 Analyzed: 01/25/23

Benzene	4.13	0.0250	5.00		82.7	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.4	70-130			
Toluene	4.51	0.0250	5.00		90.2	70-130			
o-Xylene	4.61	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.06	0.0500	10.0		90.6	70-130			
Total Xylenes	13.7	0.0250	15.0		91.1	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.91 8.00 98.9 70-130

Matrix Spike (2304010-MS1)

Source: E301119-01

Prepared: 01/24/23 Analyzed: 01/25/23

Benzene	4.20	0.0250	5.00	ND	84.0	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	61-133			
Toluene	4.56	0.0250	5.00	ND	91.2	61-130			
o-Xylene	4.66	0.0250	5.00	ND	93.2	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.90 8.00 98.7 70-130

Matrix Spike Dup (2304010-MSD1)

Source: E301119-01

Prepared: 01/24/23 Analyzed: 01/25/23

Benzene	4.21	0.0250	5.00	ND	84.3	54-133	0.380	20	
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	61-133	0.598	20	
Toluene	4.59	0.0250	5.00	ND	91.7	61-130	0.535	20	
o-Xylene	4.69	0.0250	5.00	ND	93.7	63-131	0.591	20	
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131	0.649	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.7	63-131	0.630	20	

Surrogate: 4-Bromochlorobenzene-PID 7.85 8.00 98.1 70-130



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/26/2023 10:56:48AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304010-BLK1)

Prepared: 01/24/23 Analyzed: 01/25/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

LCS (2304010-BS2)

Prepared: 01/24/23 Analyzed: 01/25/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

Matrix Spike (2304010-MS2)

Source: E301119-01

Prepared: 01/24/23 Analyzed: 01/25/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2304010-MSD2)

Source: E301119-01

Prepared: 01/24/23 Analyzed: 01/25/23

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130	5.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/26/2023 10:56:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304018-BLK1)

Prepared: 01/24/23 Analyzed: 01/24/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			

LCS (2304018-BS1)

Prepared: 01/24/23 Analyzed: 01/24/23

Diesel Range Organics (C10-C28)	218	25.0	250		87.2	38-132			
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			

Matrix Spike (2304018-MS1)

Source: E301119-05

Prepared: 01/24/23 Analyzed: 01/24/23

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	49.1		50.0		98.3	50-200			

Matrix Spike Dup (2304018-MSD1)

Source: E301119-05

Prepared: 01/24/23 Analyzed: 01/24/23

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132	12.3	20	
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			



QC Summary Data

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	Reported:
P.O. Box 4439	Project Number:	08034-0006	
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	1/26/2023 10:56:48AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304013-BLK1)

Prepared: 01/24/23 Analyzed: 01/25/23

Chloride ND 20.0

LCS (2304013-BS1)

Prepared: 01/24/23 Analyzed: 01/25/23

Chloride 262 20.0 250 105 90-110

Matrix Spike (2304013-MS1)

Source: E301118-21

Prepared: 01/24/23 Analyzed: 01/25/23

Chloride 3310 400 250 3120 73.2 80-120

M2

Matrix Spike Dup (2304013-MSD1)

Source: E301118-21

Prepared: 01/24/23 Analyzed: 01/25/23

Chloride 3470 400 250 3120 137 80-120 4.72 20

M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Navajo Nation Oil and Gas	Project Name:	Tocito Dome Spill	
P.O. Box 4439	Project Number:	08034-0006	Reported:
Window Rock AZ, 86515	Project Manager:	Shawna Martinez	01/26/23 10:56

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client: NAVAJONATION OIL & GAS	Bill To	Lab Use Only		TAT				EPA Program	
Project: TOLITO DOME SPILL	Attention: NAVAJO NATION OIL & GAS	Lab WO# E301124	Job Number 08034-0000	1D	2D	3D	Standard	CWA	SDWA
Project Manager: SHAWNA WELSH NET	Address:	Analysis and Method							RCRA
Address: 332 CR 9100	City, State, Zip								
City, State, Zip AZ 86402	Phone:								
Phone: 928-321-4492	Email: SHAWNA@WELSHENGINE.NET								
Email: SHAWNA@WELSHENGINE.NET									
Report due by: 1-26-23									

[illegible]

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: W. J. J. J. J.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Michael [Signature]</i>	Date 1-24-23	Time 4:05pm	Received by: (Signature) <i>Arthur [Signature]</i>	Date 1/24/23	Time 11:05	Lab Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 1/24/2023 4:08:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Navajo Nation Oil and Gas	Date Received:	01/24/23 16:05	Work Order ID:	E301124
Phone:	(928) 871-4880	Date Logged In:	01/24/23 16:06	Logged In By:	Caitlin Christian
Email:	shawna@walsheng.net	Due Date:	01/25/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Michael DeanSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°C±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



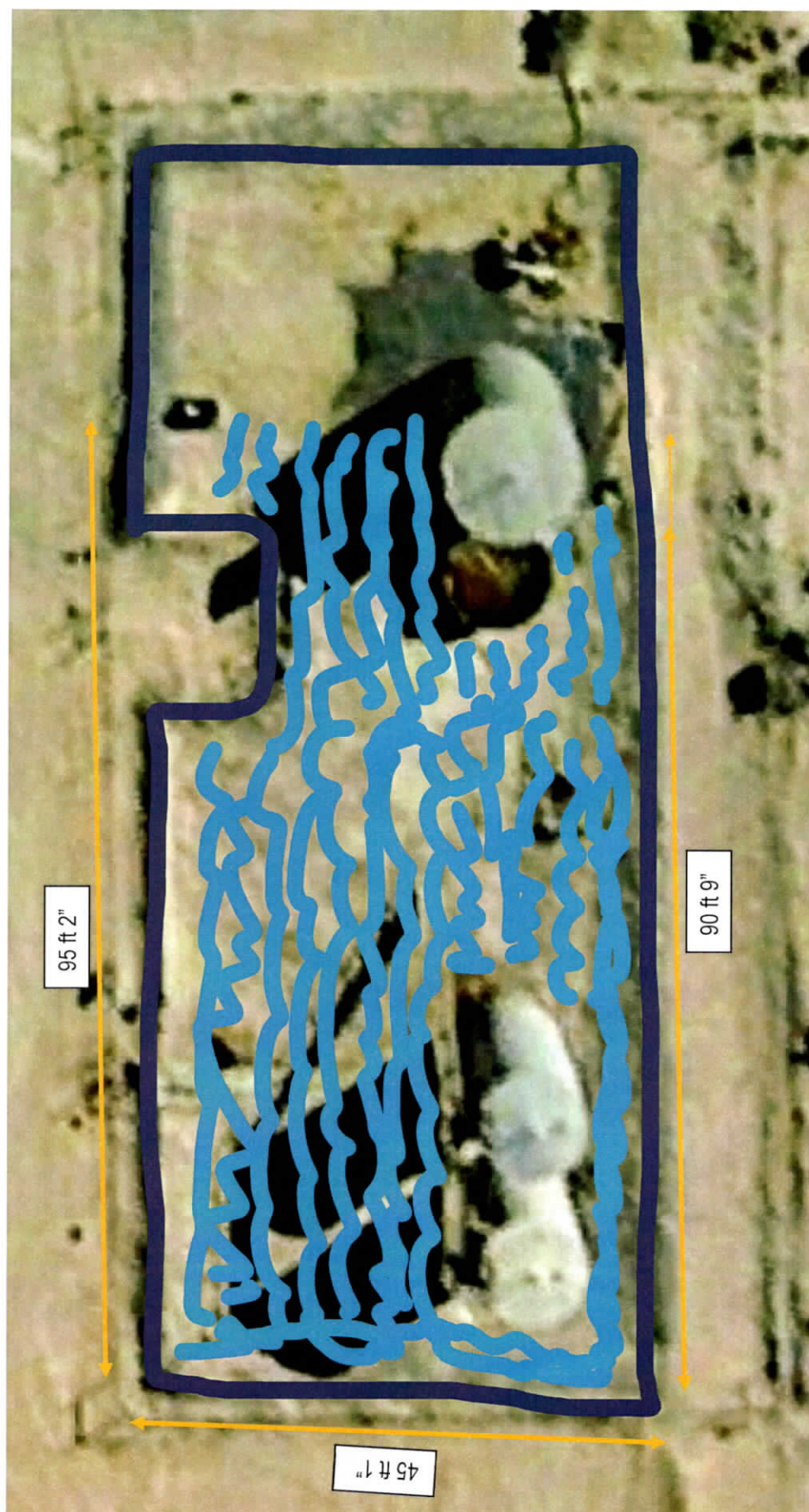
envirotech Inc.

Tocito Dome Tank Battery
Produced Water Release
Incident# NAPP2233229843
Date of Release: 11/26/2022

MAPS/PICTURES

A diagram showing a cross-section of a berm. The berm is a dark blue, irregular shape. To its right is a blue wavy line representing produced water flow.

Berm
Produced Water







Tocito Dome Tank Battery Release Site
Sampling Map
Date of Release: 11/26/2022



February 3, 2023 - Backfilled 850 yards



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 186230

CONDITIONS

Operator: NNOGC EXPLORATION AND PRODUCTION, LLC P.O. Box 4439 Window Rock, AZ 86515	OGRID: 292875
	Action Number: 186230
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. Incident on tribal land.	5/19/2023